Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s) VERBRUGGEN ET AL.	
10/595,821		
Examiner	Art Unit	
Kade Ariani	1651	

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The MAILING DATE of this communication appe	ars on the cover sheet with the o	correspondence add	ress		
THE REPLY FILED 04 May 2010 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.					
 The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C 	replies: (1) an amendment, affidavi eal (with appeal fee) in compliance	t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request		
periods:					
a) The period for reply expiresmonths from the mailing date of the final rejection. b) \(\sum \) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later, no event, however, will be statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.					
Examiner Note: If box 1 is checked, check either box (a) or (MONTHS OF THE FINAL REJECTION. See MPEP 706.07(I		FIRST REPLY WAS FI	LED WITHIN TWO		
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filled is the date for purposes of determining the period of ext under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (a) above, if checket. Any reply re-ceived by the Office later may reduce any earned patient term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	ension and the corresponding amount of hortened statutory period for reply origing than three months after the mailing date	of the fee. The appropria nally set in the final Office	ate extension fee e action; or (2) as		
 The Notice of Appeal was filed on					
AMENDMENTS The proposed amendment(s) filed offer a final rejection by	t prior to the data of films a brief				
 The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below); 					
(b) They raise the issue of new matter (see NOTE below		L 501011/j,			
(c) ☐ They are not deemed to place the application in bett appeal; and/or		ducing or simplifying t	ne issues for		
(d) ☐ They present additional claims without canceling a c	corresponding number of finally reject	ected claims.			
NOTE: (See 37 CFR 1.116 and 41.33(a)).					
4. The amendments are not in compliance with 37 CFR 1.12	See attached Notice of Non-Cor	mpliant Amendment (I	PTOL-324).		
5. Applicant's reply has overcome the following rejection(s):					
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 		,	· ·		
7. For purposes of appeal, the proposed amendment(s): a) will not be entered, or b) will be entered and an explanation of how the new or amended daims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows:					
Claim(s) allowed:					
Claim(s) objected to: Claim(s) rejected: <u>23-27,30,31,37-40 and 43-49</u> .					
Claim(s) rejected: 25-27,30,57,37-40 and 45-49. Claim(s) withdrawn from consideration:					
AFFIDAVIT OR OTHER EVIDENCE					
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 					
 The affidavit or other evidence filed after the date of filing- entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome <u>all</u> rejections under appea	al and/or appellant fail:	s to provide a		
10. The affidavit or other evidence is entered. An explanation					
REQUEST FOR RECONSIDERATION/OTHER					
11. The request for reconsideration has been considered but does NOT place the application in condition for allows See Continuation Sheet.					
12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s)				
13. Other:					
	/Leon B Lankford/				
	Primary Examiner, Art U	nit 1651			
	,				

Continuation of 11, does NOT place the application in condition for allowance because: Claims remain rejected for the reasons of record, (see Attached).

Attachment to the Advisory Action:

Applicant argues that because Verbruggen teaches xylosan polysulfate and chondroitin polysulfate but not heparin, significantly increase agreena aggreena teaches away form using heparin-like molecules interchangeably in chondrocyte cultivation. Applicant argues that Verbruggen concludes that heparin-like molecules have different or unpredictable effects on chondrocyte development (see Remarks page 3.2 nd. 4th paragraphs filed on 05/04/2010). These arguments are considered but are not found persuasive because Verbruggen et al. do not teach xylosan polysulfate and chondroitin polysulfate are heparin-like molecules (or heparinoids), instead Verbruggen et al. teach polysulphated polysaccharides, Verbruggen et al. teach polysulphated polysaccharides, valosan polysulfate, chondroitin polysulfate are polysulphated polysaccharides, valosan polysulfate, chondroitin polysulfate are polysulphated polysaccharides, valosan polysulfate, chondroitin polysulfate are polysulphated polysaccharides, valosan polysulfate, chondroitin polysulfate, et al. teach polysulphated polysaccharides, valosan polysulfate, chondroitin polysulphated polysaccharides, valosan polysulfate, consistently improved aggrecan synthesis in the culture chondroicytes, and heparin (or heparin-like molecules have unpredictable effects on chondroited development, as alleged by the Applicant

Applicant argues that one of ordinary skill in the art would have not been motivated to combine Verbruggen and Rosenberg teachings and that the combination of references fails to provide a motivation to use polysulphated aligniare for chondrocycle viction (see Remarks page 3.4th paragraphs filed on 05/04/2010). These arguments are considered but are not found persuasive because Rosenberg et al. teach polysulfates prepared from algolinic acid (nobsulphated aligniare) and chondroitin polysulphates are polysulfates polysaccharides, which are non-thrombogenic (heparin-like effect). Rihova teach a matrix suitable for implantation, must be non-thrombogenic (anticoagulant activity) to be biocompatible. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to try (choosing form a finite number of identified polysulfated polysaccharides) and to use polysulfated polysaccharides, plant to use polysulfated polysaccharides, in the method and the composition as taught by Verbruggen et al. with a reasonable expectation of success in providing an in vitro method for cultivation of chondrogenic cells, a composition comprising polysulphated aligniate, and a method of treatment of cartilage defects. The motivation as taught by Verbruggen et al. would be stimulation of the production of high molecular weight hyaluronan by chondrocytes seems to be a common effect of polysulfated and polysaccharides.